

# REQUIRED SPECIFICATIONS

## PROPRIETARY INFORMATION

THESE DOCUMENTS ARE THE PROPERTY OF BRAEMAR COMPUTER DEVICES, INC. and contain proprietary information. For that reason, this information may not be reproduced, stored, or disclosed to persons other than those authorized without the written consent of BRAEMAR COMPUTER DEVICES, INC.

UNIT OF MEASURE

0.000 MM  
0.000 INCHES

MAT'L.

TOLERANCES (EXCEPT AS NOTED)

DECIMAL  
±.X = .50 MM/.02 IN.  
±.XX = .25 MM/.01 IN.  
±.XXX = .13 MM/.005 IN.

FRACTIONAL  
±1/32

ANGULAR

BRAEMAR COMPUTER DEVICES, INC.

SCALE

NONE

DRAWN BY

29 APR 77

APPROVED BY

JCR 21 JULY 77

TITLE ENCODE DECODE, R-W, RAW SCHEMATIC DIAGRAM

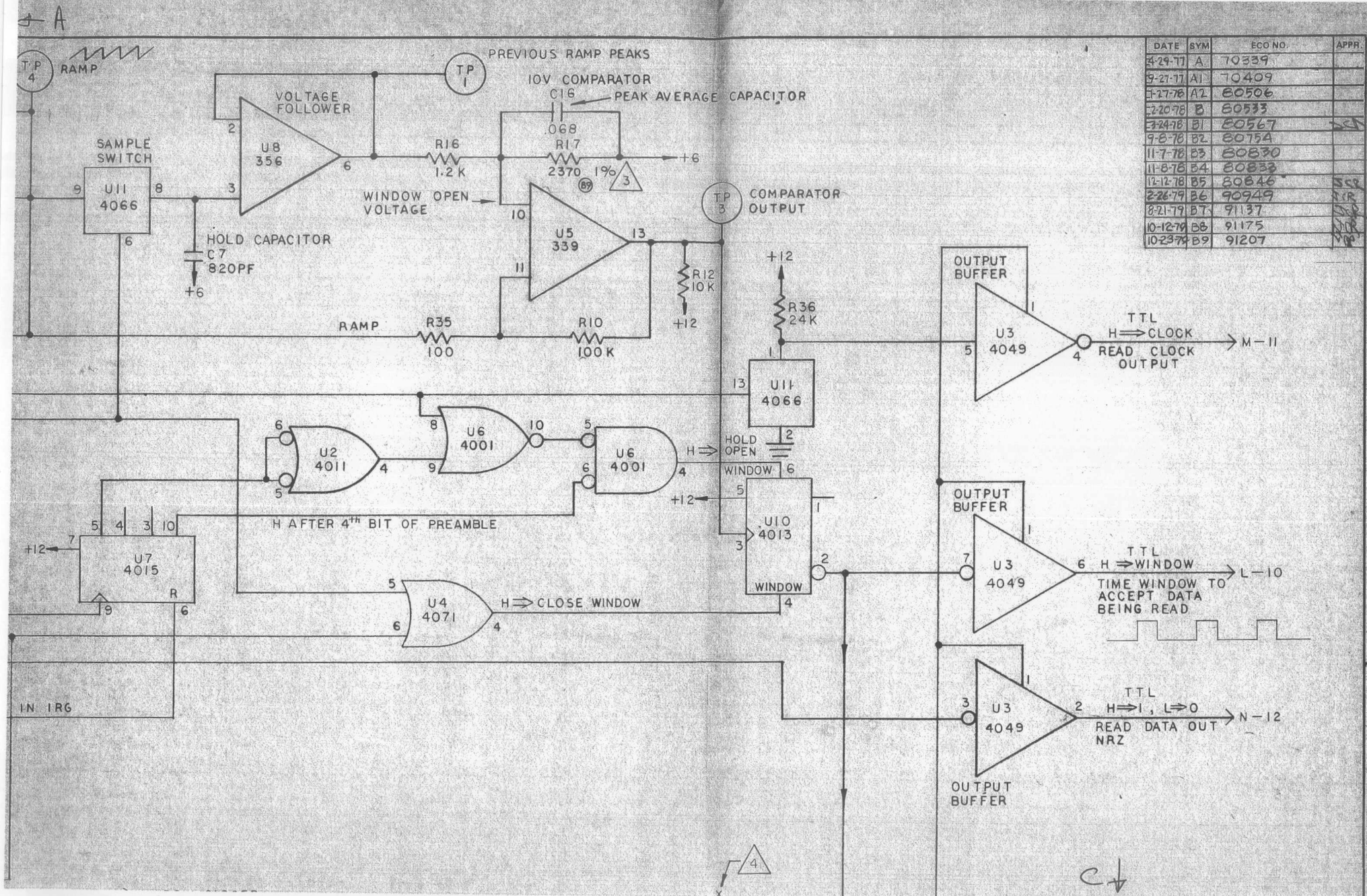
DWG SIZE

D 300-0255

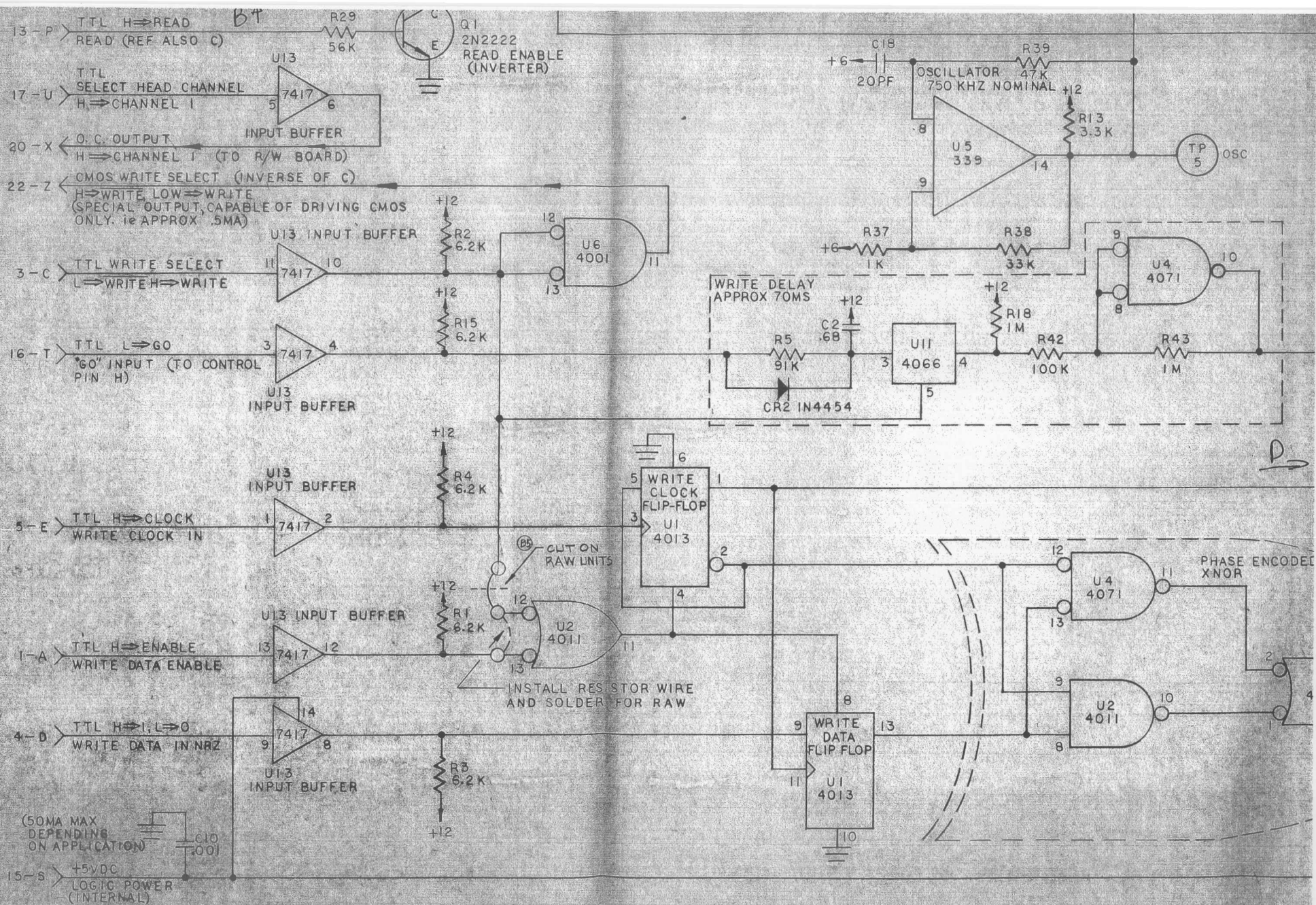
DRAWING NUMBER

PAGE 2

OF 4



DATE	SYM	ECO NO.	APPR.
4-29-77	A	70339	
9-27-77	A1	70409	
7-27-78	A2	80506	
2-20-78	B	80533	
3-24-78	B1	80567	
9-8-78	B2	80754	
11-7-78	B3	80830	
11-8-78	B4	80833	
12-12-78	B5	80846	
2-26-79	B6	90949	
8-21-79	B7	91137	
10-12-79	B8	91175	
10-23-79	B9	91207	



PART NUMBER  
300-0255-001  
-002

NOTE:  
1- ALL OUTPUTS ARE TOTEM-POLE  
OUTPUTS CAPABLE OF SINKING  
3.2MA OR TWO TTL LOADS TO  
APPROX. 4VDC EXCEPT AS NOTED.  
OUTPUTS ARE CAPABLE OF SOURCING  
1.5MA TO 2.5VDC

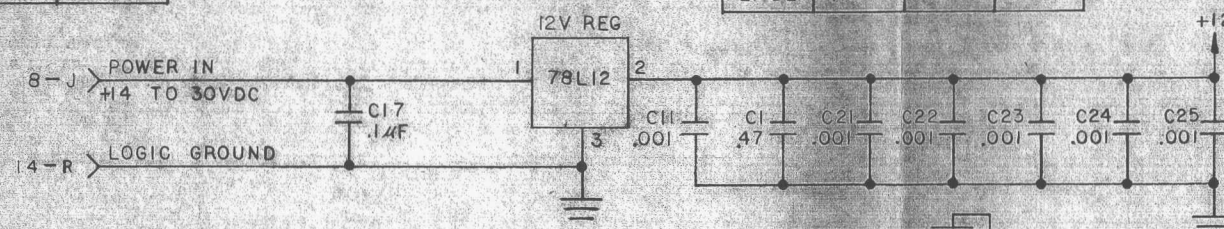
△-VALUE FOR 800 BPI

Ⓜ△-R17 OPTIONAL USAGE OF 2.4K  
METAL FILM

△-CUT FOR TROUBLESHOOTING. JUMPER  
AFTER TROUBLESHOOTING

CRI	U14
C3,5,12,14	Q1
R26,30,33	CR3
R23,24,25	C25
R14,21,22	R43
REF DEG NOT USED	LAST REF DEG USED

U14	16	-	8
U13	-	14	7
U12	7	-	4
U11	14	-	7
U10	14	-	7
U9	14	-	7
U8	7	-	4
U7	16	-	8
U6	14	-	7
U5	3	-	12
U4	14	-	7
U3	-	1	8
U2	14	-	7
U1	14	-	7
REF DES	+12	+5	GND

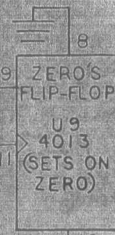
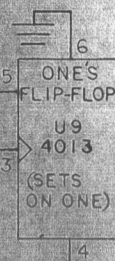
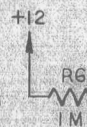


21-Y READ TRANSITION  
HIGH  $\Rightarrow$  POSITION (CMOS)

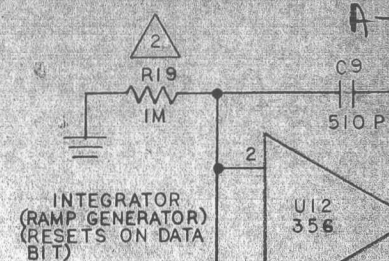
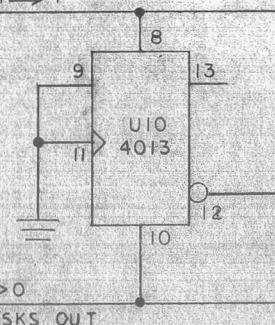
19-W CMOS PHASE ENCODE READ DATA  
TRANSITION  $\Rightarrow$  PEAK

ALL INPUTS BELOW ARE ONE  
TTL LOAD AND REQUIRE 1.6  
MA OF SINKING. PULL UP  
RESISTORS ARE RECOMMENDED  
BUT NOT REQUIRED

18-V CMOS HIGH  $\Rightarrow$  NEGATIVE READ TRANSITION



U-9 MASKS OUT  
INSIGNIFICANT  
TRANSITIONS



RESET  
SWITCH

